CALIBRATION PROCEDURE

1. Pan / Tilt Calibration

- The Pan / Tilt Calibration is required in the following cases.
- After replacing the EEPROM, Pan / Tilt and Zoom wheel Calibration is required.
 - (Default software data will be stored in the EEPROM automatically.)
- In the case of changing of the combination of the Main Unit and the 3D Joystick Unit as shown in the Exploded View(10/10).
- In the case of replacing of the Joystick Board (PCB 5) or VR101 and other parts on it.
- In case of replacing the Main Board (PCB 1) or EEPROM (IC6) and other parts on it.
- In case that calibrated data has been changed by operation mistake.

■ Procedure

- 1. Turn off the power.
- To execute the Pan / Tilt Calibration Mode, Turn on the power while pressing the [9] and [MON(ESC)] keys simultaneously.

The LCD on the Front Panel will indicate as right.

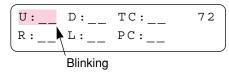
- 3. Enter the administrator password.
 - Notes: The factory default is "650".
 - To delete a character, press the CLEAR button.

Note: Just example, It depends on Unit

4. Press the [CAM(SET)] key.

The LCD on the Front Panel will indicate as right.

5. Press the [CAM(SET)] key for the starting adjustment. The LCD on the Front Panel will indicate as right.



6. Turn and keep the Joystick to fully upper side.
The LCD on the Front Panel will indicate as right.

Press the [CAM(SET)] key while turning the Joystick to upper side.

The LCD on the Front Panel will indicate as right.

8. Turn and keep the Joystick to fully down side. The LCD on the Front Panel will indicate as right.

Press the [CAM(SET)] key while turning the Joystick to down side.

The LCD on the Front Panel will indicate as right.

10. Return the Joystick to center.

The LCD on the Front Panel will indicate as right. Note: It needs your hand to release with flipping.

11. Press the [CAM(SET)] key.

The LCD on the Front Panel will indicate as right.

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U:F1 D:08 TC:70 79
R:__ L:__ PC:__
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12. Turn and keep the Joystick to fully right side.
The LCD on the Front Panel will indicate as right.

13. Press the [CAM(SET)] key while turning the Joystick to right side.

The LCD on the Front Panel will indicate as right.

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U:F1 D:08 TC:70
R:F0 L:__ PC:__ F0
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Turn and keep the Joystick to fully left side.
 The LCD on the Front Panel will indicate as right.

15. Press the [CAM(SET)] key while turning the Joystick to left side.

The LCD on the Front Panel will indicate as right.

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U:F1 D:08 TC:70
R:F0 L:07 PC:__ 07
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16. Return the Joystick to center.

The LCD on the Front Panel will indicate as right. Note: It needs your hand to release with flipping.

17. Press the [CAM(SET)] key.

The LCD on the Front Panel will indicate as right,

- 18. Confirm the following.
 - The LCD on the Front Panel will indicate 64 steps of each change, when it turns to the upper and lower sides and right.
 - The value of Pan and Tilt on the LCD will return to ZERO, when the Joystick is returned to the center.

19. Turn off the power to finish the calibration.

2. Zoom Wheel Calibration

■ The Zoom Wheel Calibration is required in the following cases

- · In case of replacing the Joystick Unit.
- · In case of disassembling the Joystick Unit.
- · In case of replacing the Main Board.
- In case of replacing the EEPROM (IC6 on the Main Board).
- In case that calibrated data has been changed by operation mistake.

■ Procedure

- 1. Turn off the power.
- To execute the Pan / Tilt Calibration Mode, Turn on the power while pressing the [8] and [MON(ESC)] keys simultaneously.

The LCD on the Front Panel will indicate as right.

3. Enter the administrator password.

Notes: • The factory default is "650".

• To delete a character, press the CLEAR button.

Note: Just example, It depends on Unit.

4. Press the [CAM(SET)] key.

The LCD on the Front Panel will indicate as right.

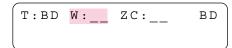
5. Press the [CAM(SET)] key for the starting adjustment. The LCD on the Front Panel will indicate as right.

6. Turn and keep the Zoom Wheel to fully right (TELE) side.

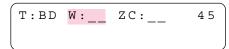
The LCD on the Front Panel will indicate as right.

7. Press the [CAM(SET)] key while turning the Zoom Wheel to right (TELE) side.

The LCD on the Front Panel will indicate as right.



8. Turn and keep the Zoom Wheel to fully left (WIDE) side. The LCD on the Front Panel will indicate as right.



Press the [CAM(SET)] key while turning the Zoom Wheel to left (WIDE) side.

The LCD on the Front Panel will indicate as right.



10. Return the Zoom Wheel to center.

The LCD on the Front Panel will indicate as right.

Note: When the Zoom Wheel is in fully left side, release the hand as quickly as possible.

11. Press the [CAM(SET)] key.

The LCD on the Front Panel will indicate as right.

- 12. Confirm the following.
 - The LCD on the Front Panel will indicate 4 steps of each change, when the Zoom Wheel turns to the WIDE and TELE sides.
 - The value of WIDE and TELE on the LCD will return to ZERO, when the Zoom Wheel is returned to the center..

13. Turn off the power to finish the calibration.